

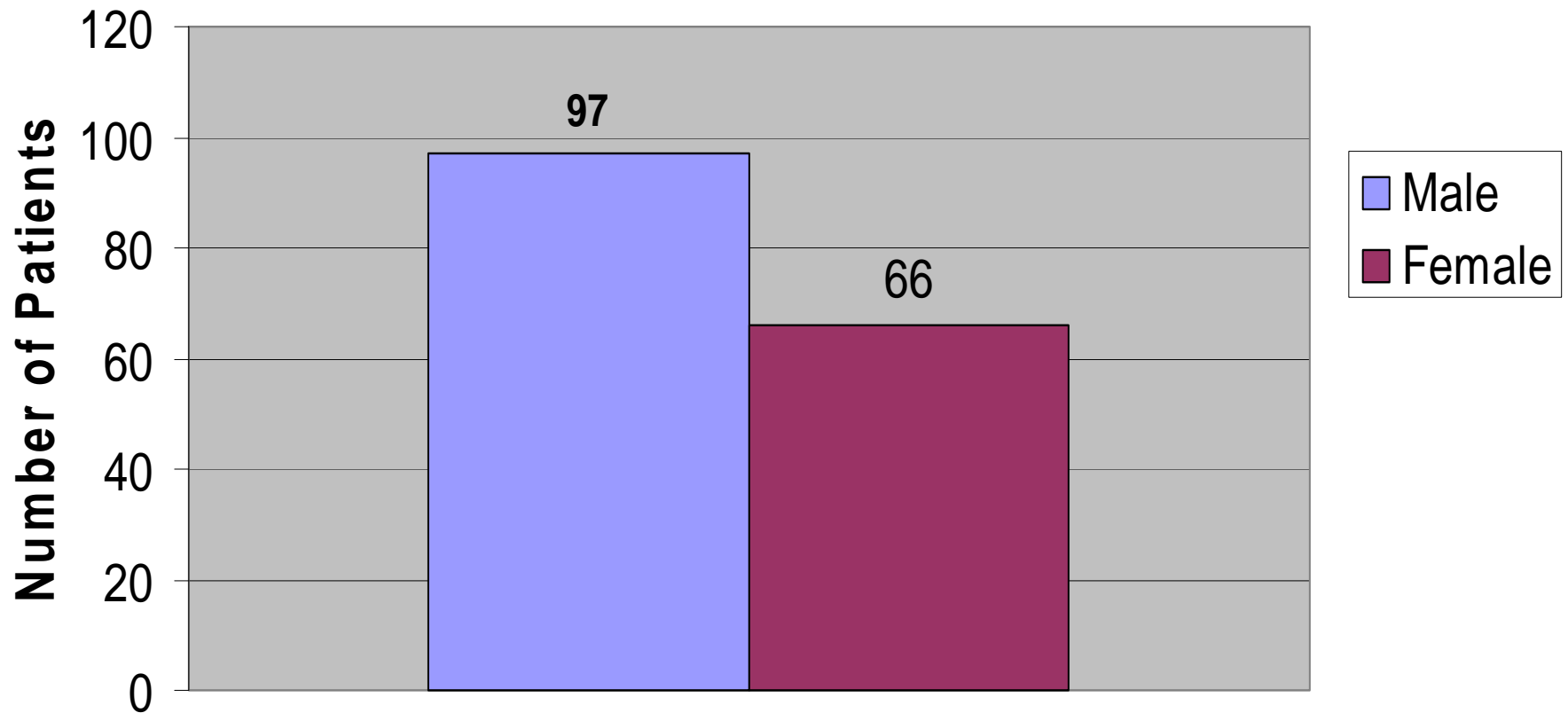
Eastern RTAC Report for June 2006

Facility Name	City	# of Patients
Billings Clinic	Billings	76
Livingston Healthcare	Livingston	3
Saint Vincent Healthcare	Billings	84

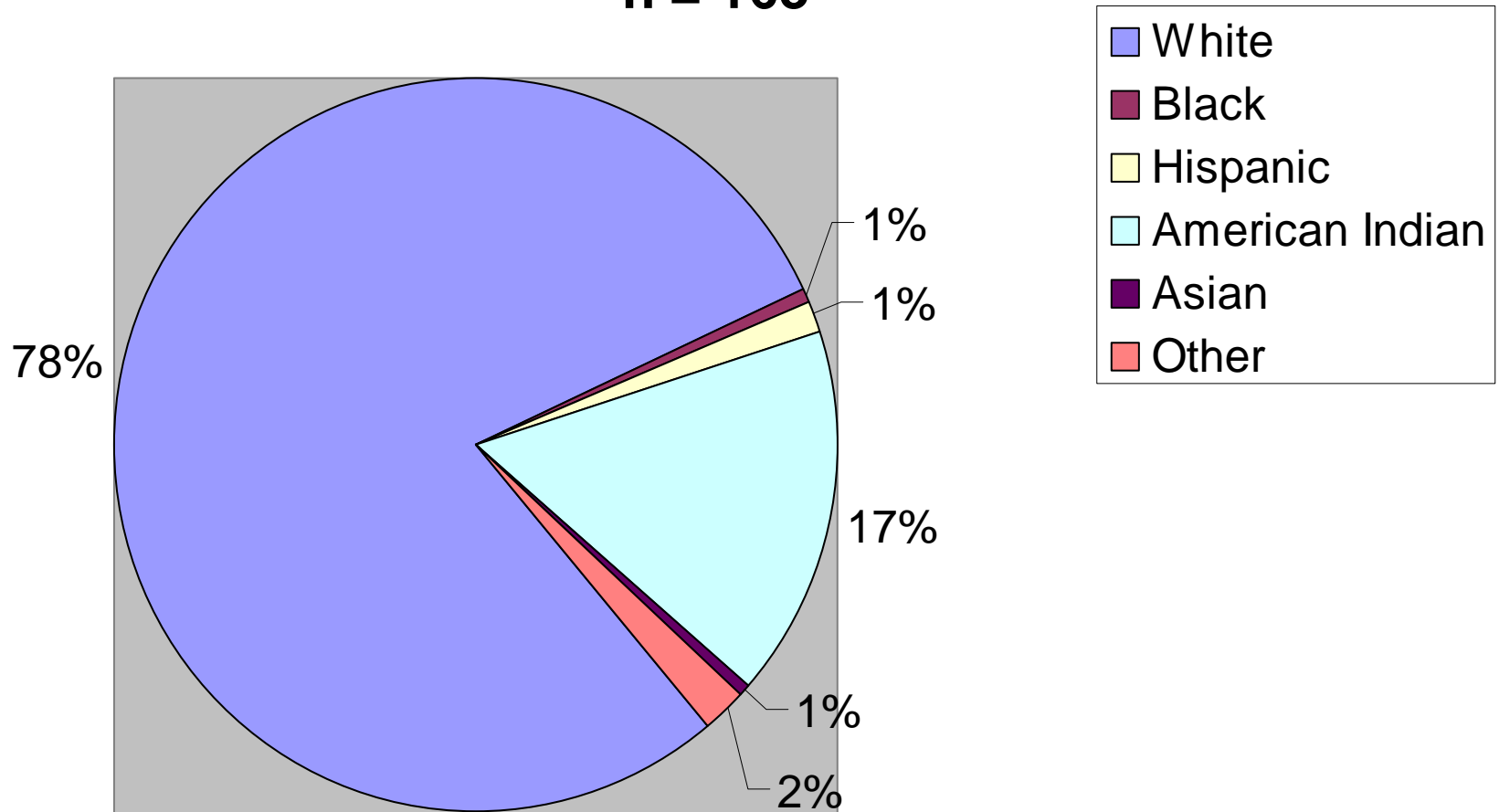
Gender (for Eastern Region)

For the Period of 01/06 thru 03/06

n = 163



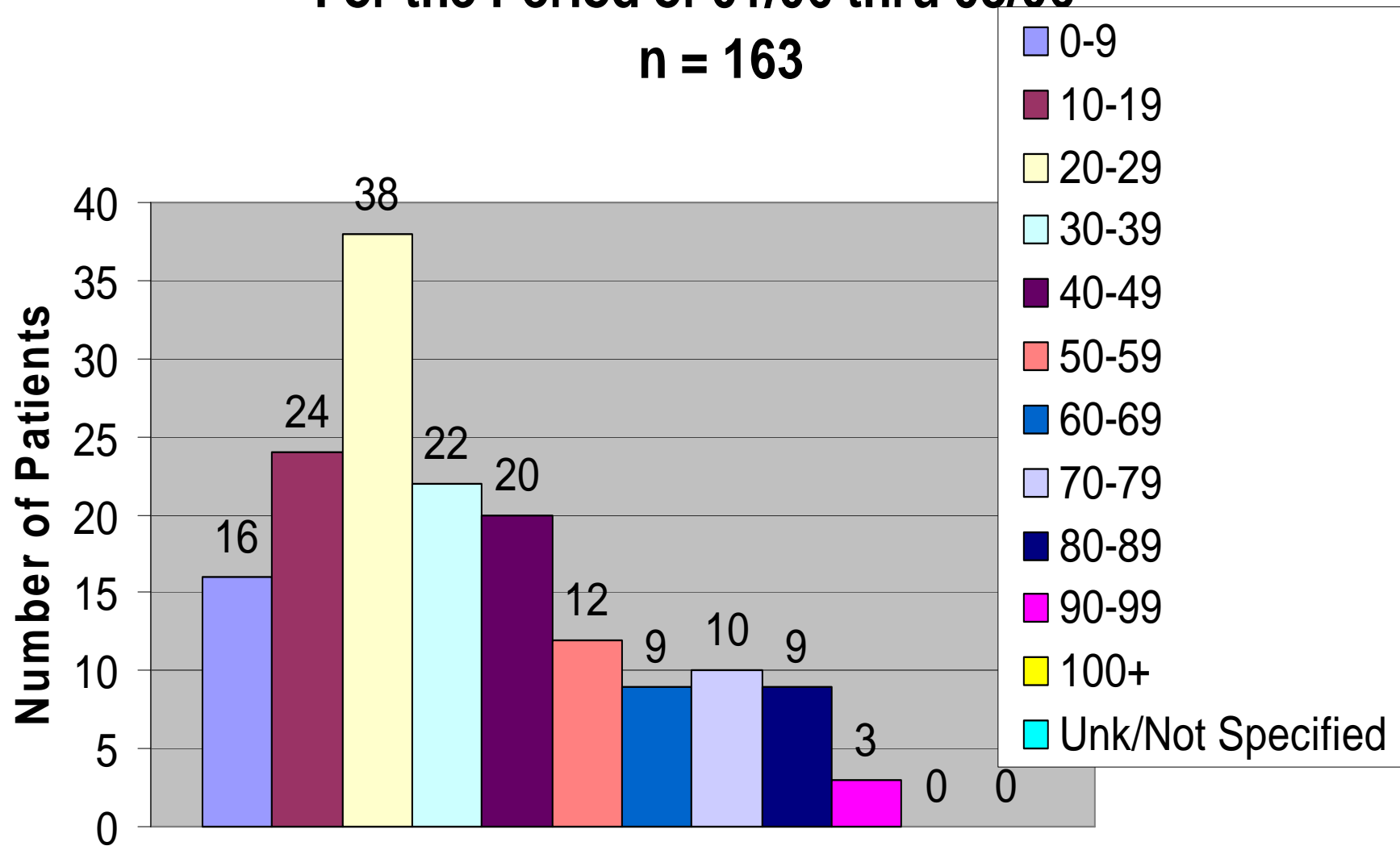
Race (for Eastern Region)
For the Period of 01/06 thru 03/06
n = 163



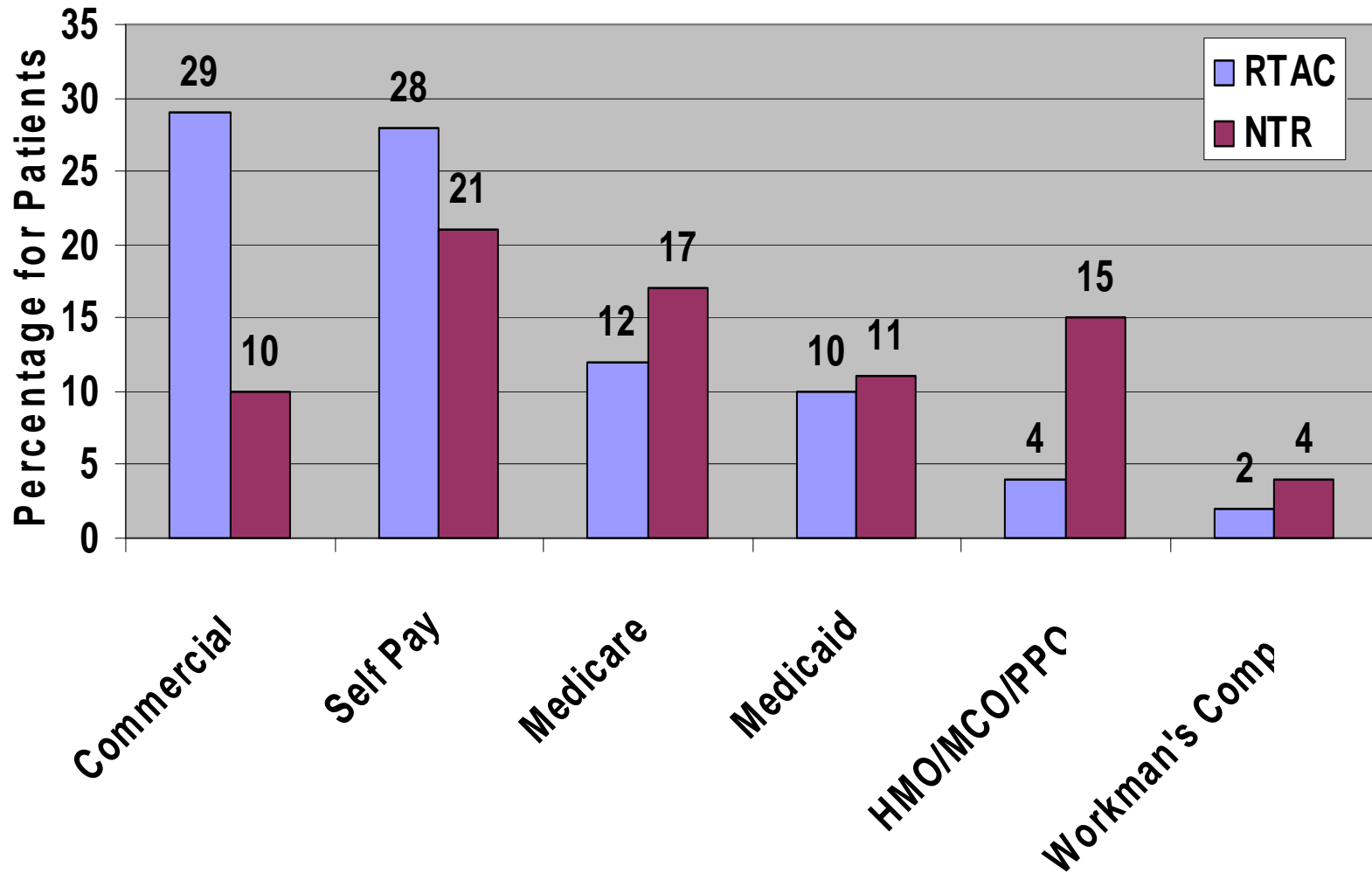
Age & Number of Patients (for Eastern Region)

For the Period of 01/06 thru 03/06

n = 163



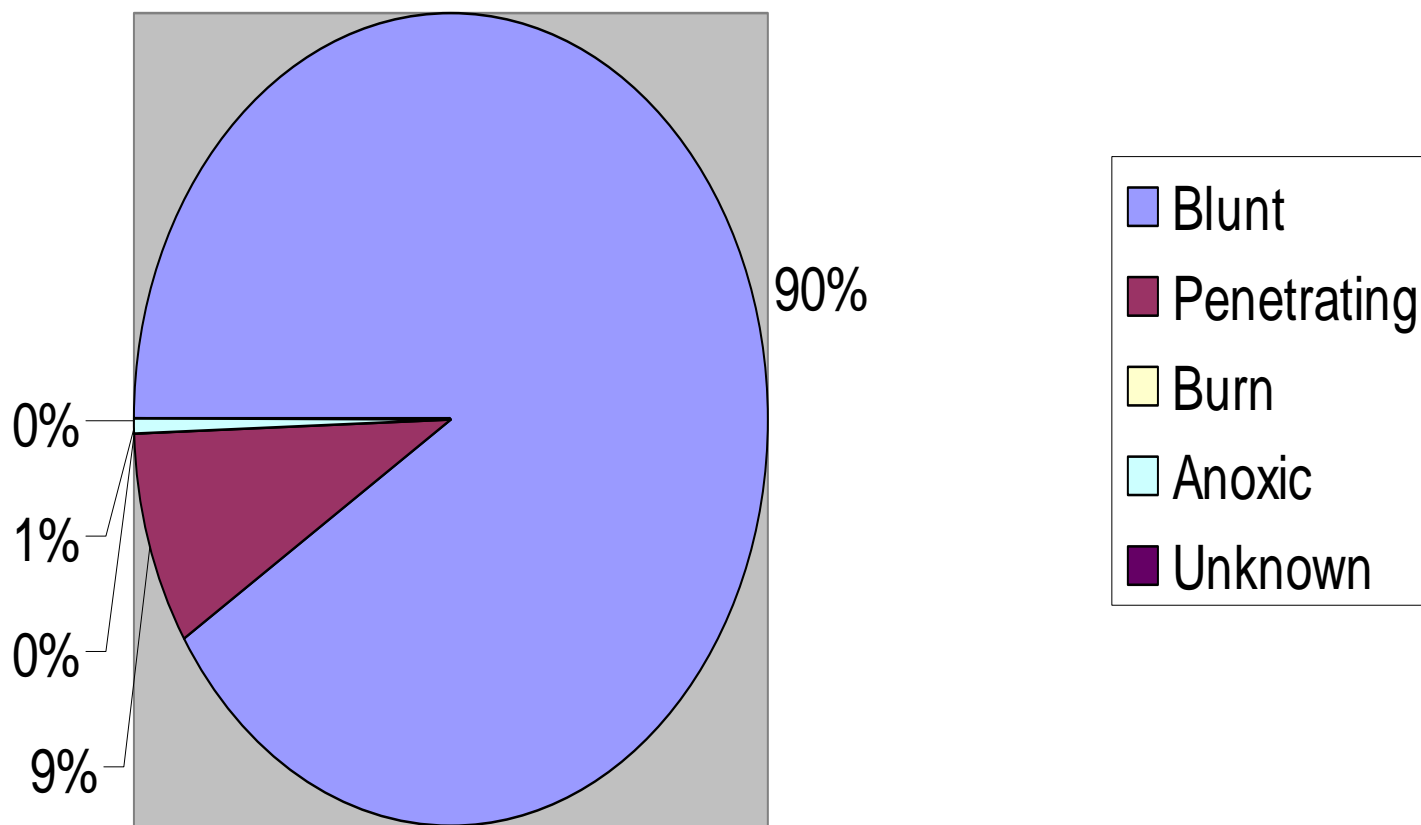
**Payor Sources for Eastern Region versus National Trauma Registry
For the Period of 01/06 thru 03/06**



Mechanism of Injury (for Eastern Region)

For the Period of 01/06 thru 03/06

n = 163

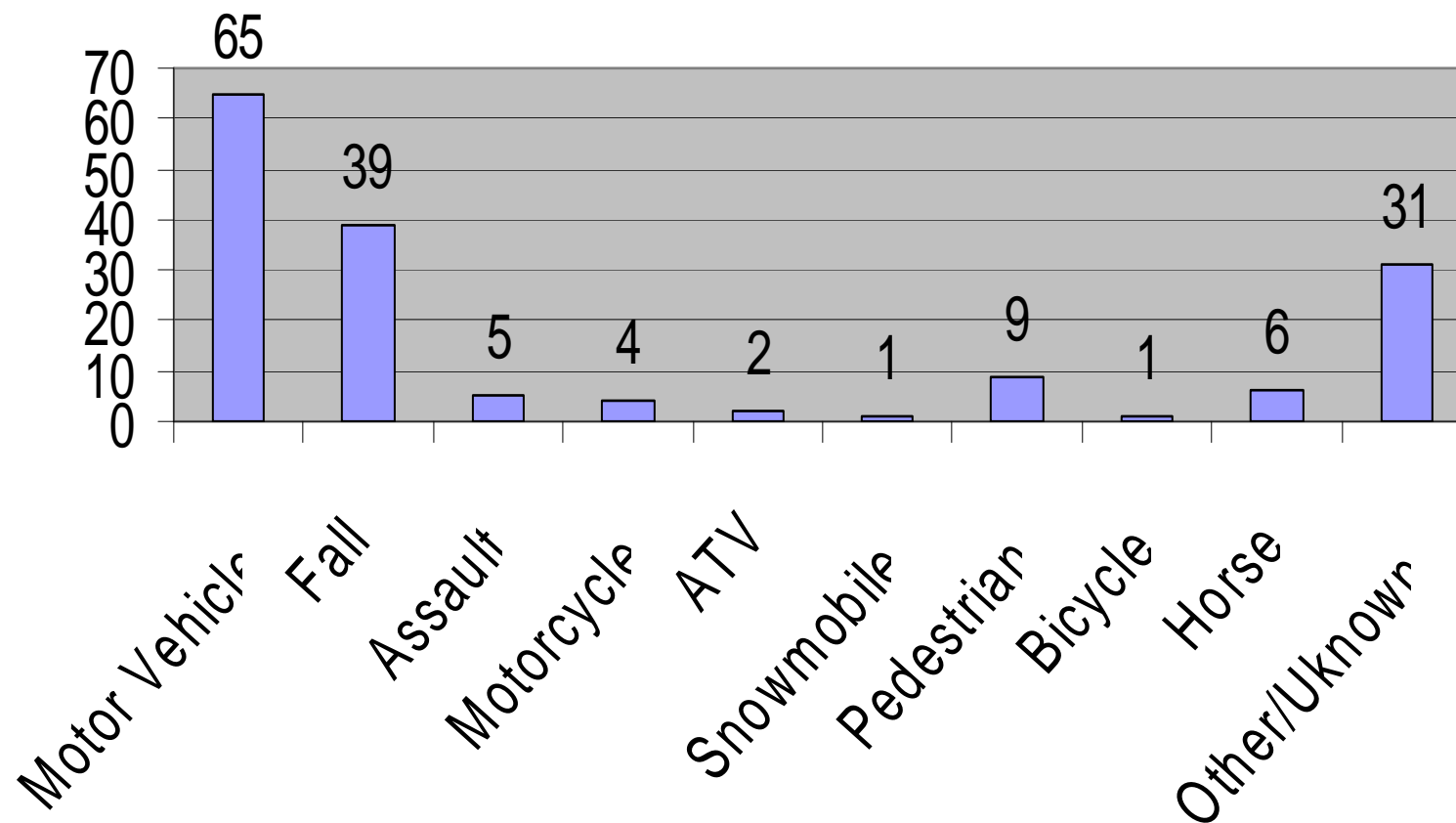


Blunt Causes of Injury (for Eastern Region)

For the Period of 01/06 thru 03/06

n = 163

Number of Patients

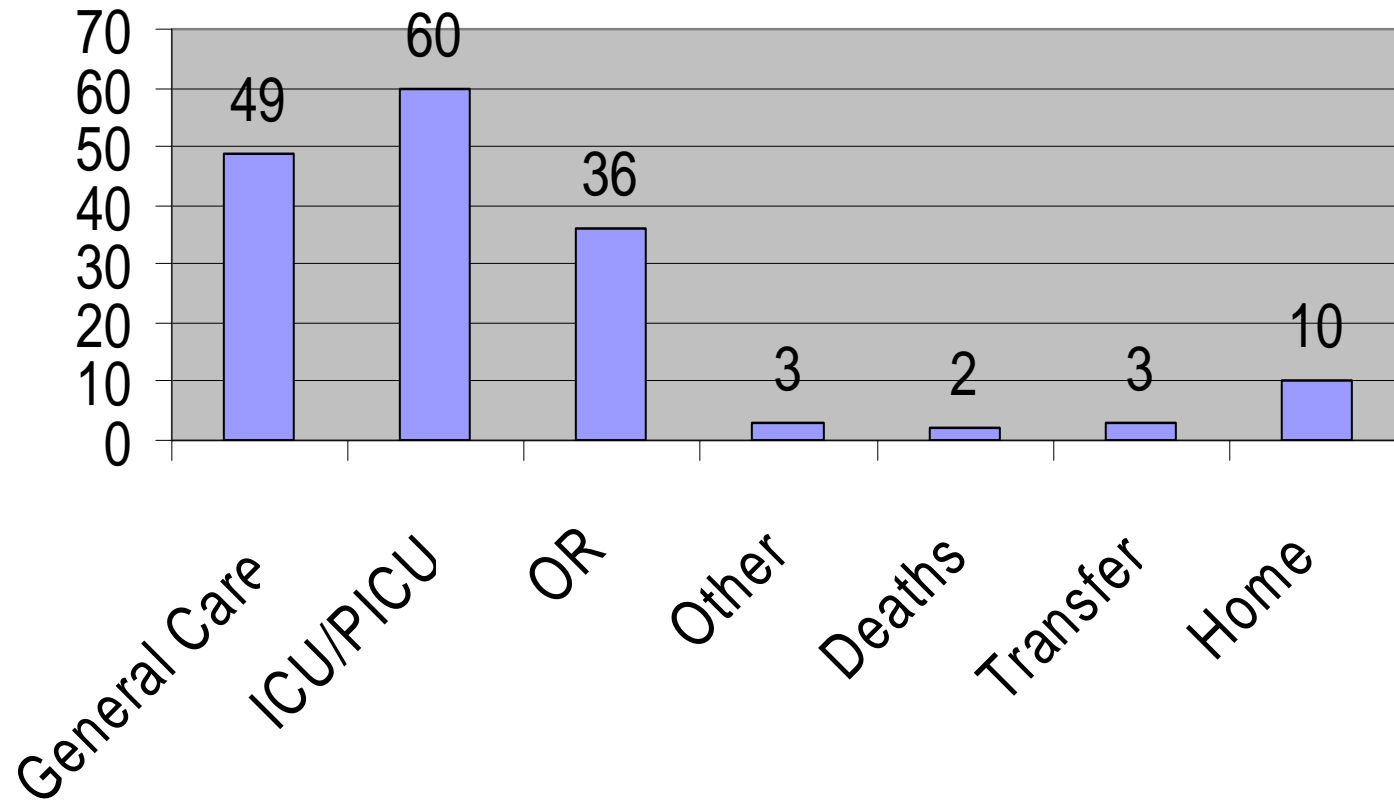


ED Disposition of Patients (for Eastern Region)

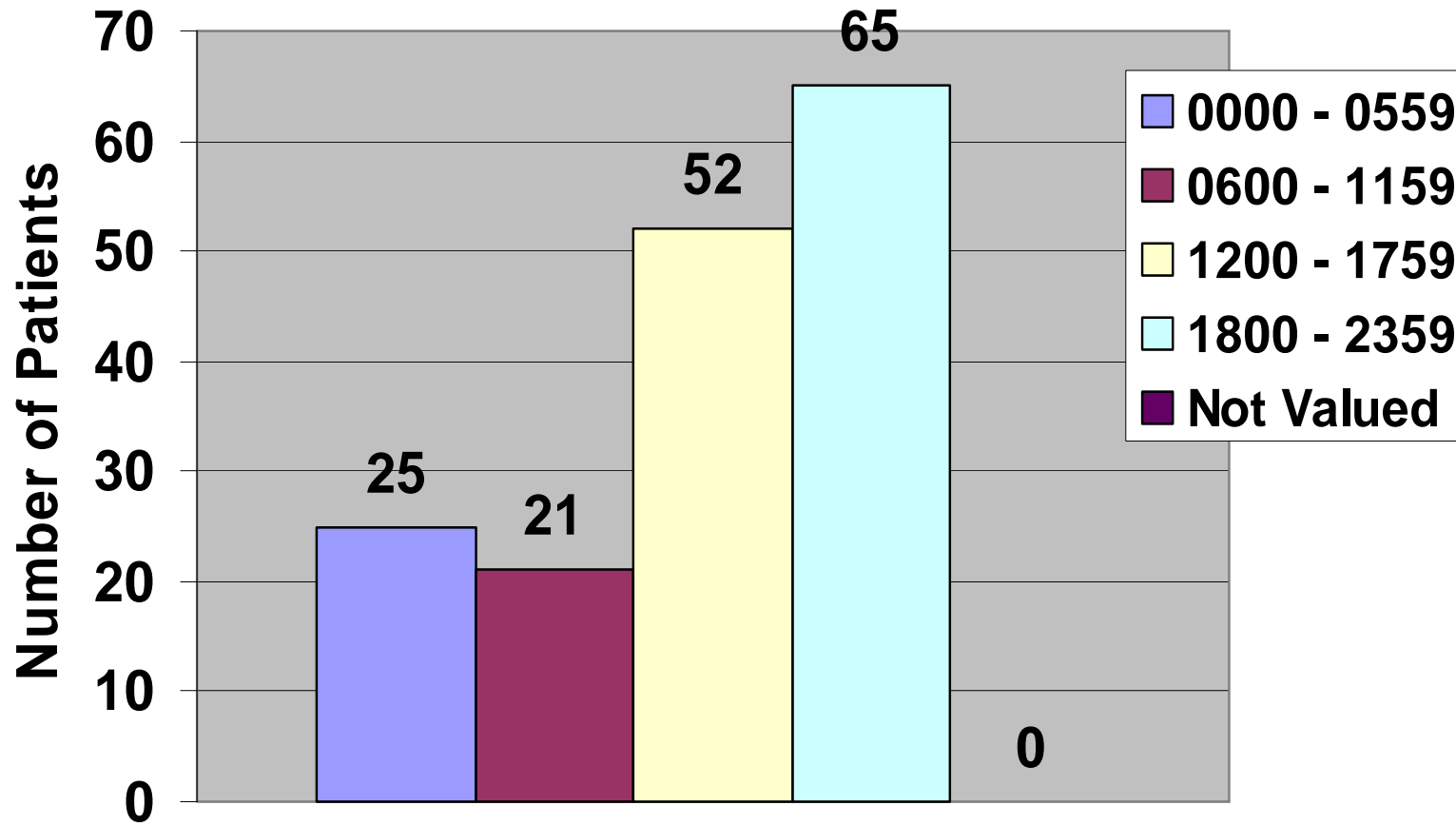
For the Period of 01/06 thru 03/06

n = 163

Number of Patients



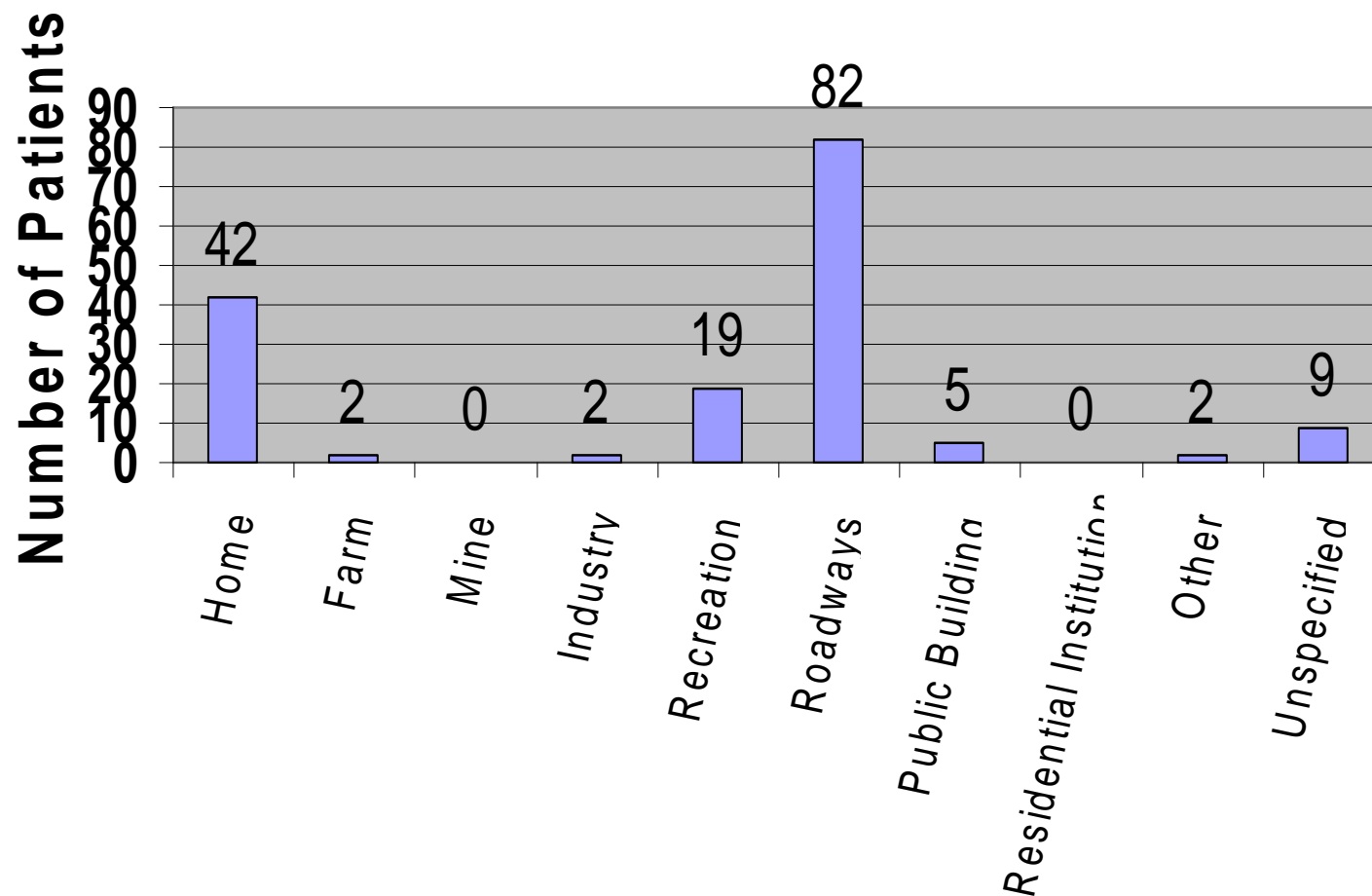
Emergency Dept. Arrival Times (for Eastern Region)
For the Period of 01/06 thru 03/06
n = 163



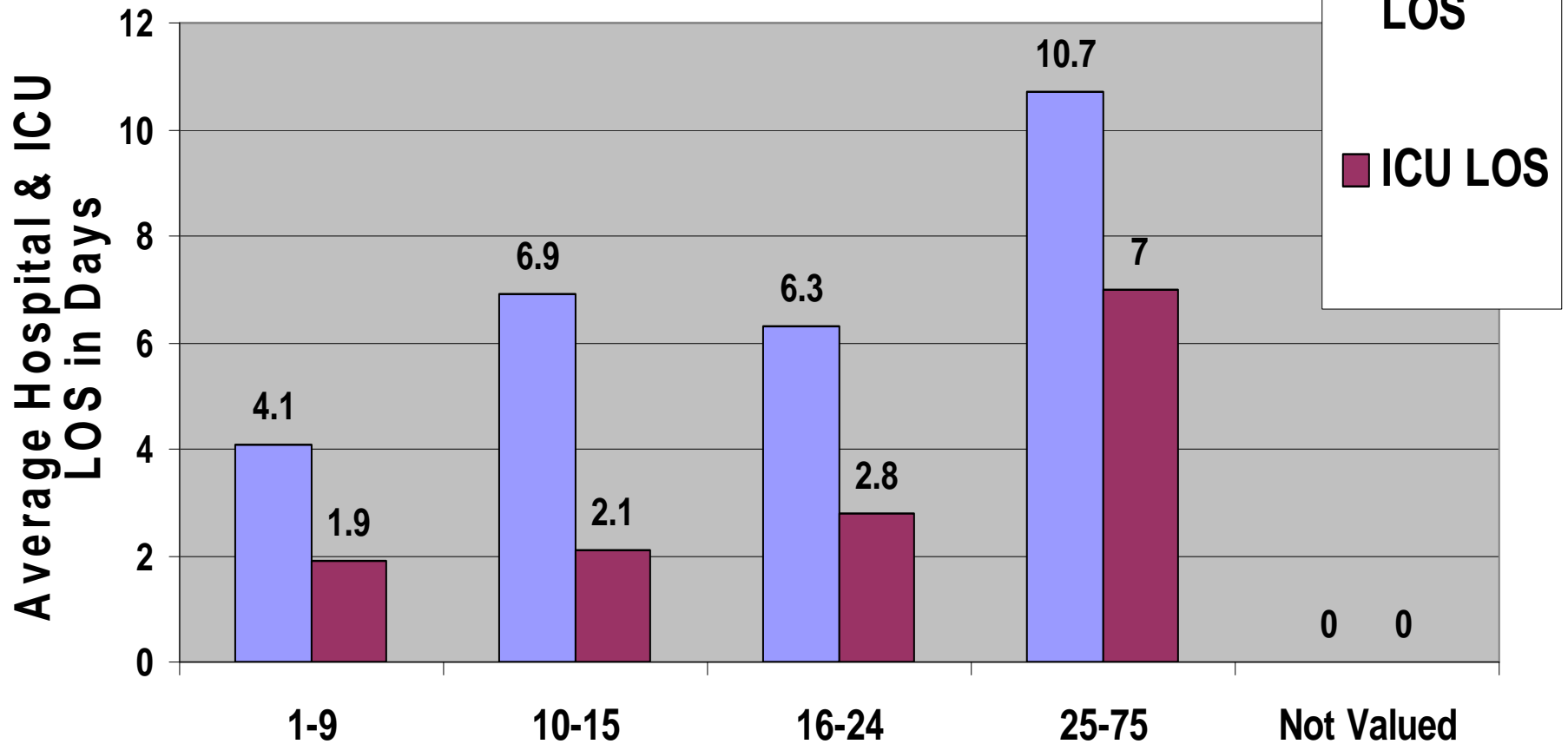
Location of Patient Injury (for Eastern Region)

For the Period of 01/06 thru 03/06

n = 163



**Average Hospital LOS & Average ICU LOS
by Injury Severity Score (for Eastern Region)
For the Period of 01/06 thru 03/06**

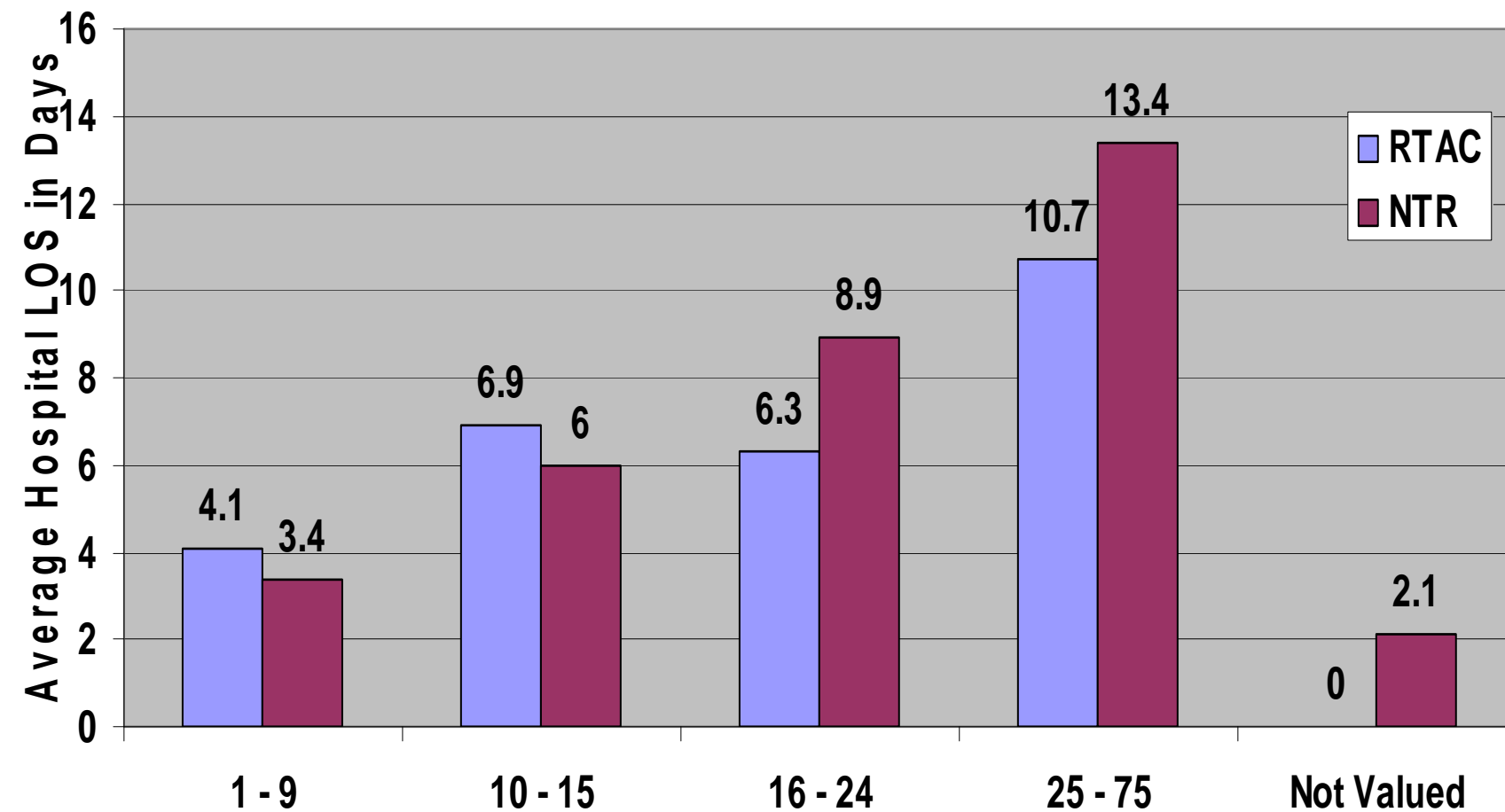


Average ICU LOS Days

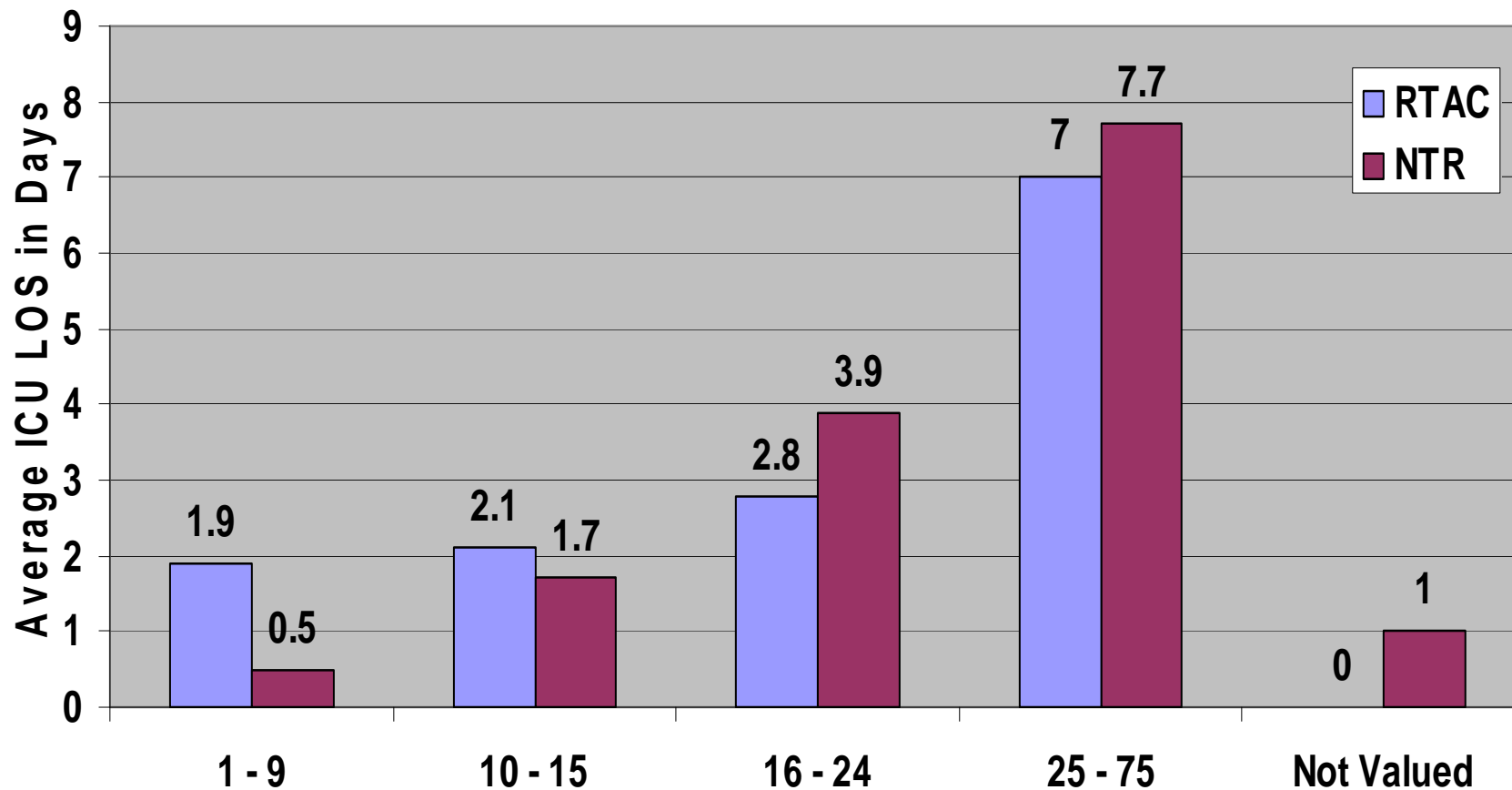
Average Hosp. LOS Days

ICU ISS Value	01/05– 03/05	04/05– 06/05	07/05– 09/05	10/05– 12/05	01/06– 03/06		Hospital ISS Value	01/05– 03/05	04/05– 06/05	07/05– 09/05	10/05– 12/05	01/06– 03/06
1–9	1.5	1.6	.8	2.2	1.9		1–9	2.9	2.9	2.8	4.4	4.1
10–15	4.3	2.5	1.8	1.4	2.1		10–15	9.9	5.0	5.2	4.1	6.9
16-24	3.0	7.3	4.0	4.1	2.8		16-24	6.8	19.1	7.9	8.1	6.3
25-75	6.3	10.1	8.1	8.1	7		25-75	9.9	17.0	12.1	20.9	10.7
Not Value	0	0	2.0	0	0		Not Value	0.8	0	1.0	2	0

**Average for Eastern RTAC Hospital Days versus National Trauma Registry by
Injury Severity Score
For the Period of 01/06 thru 03/06**



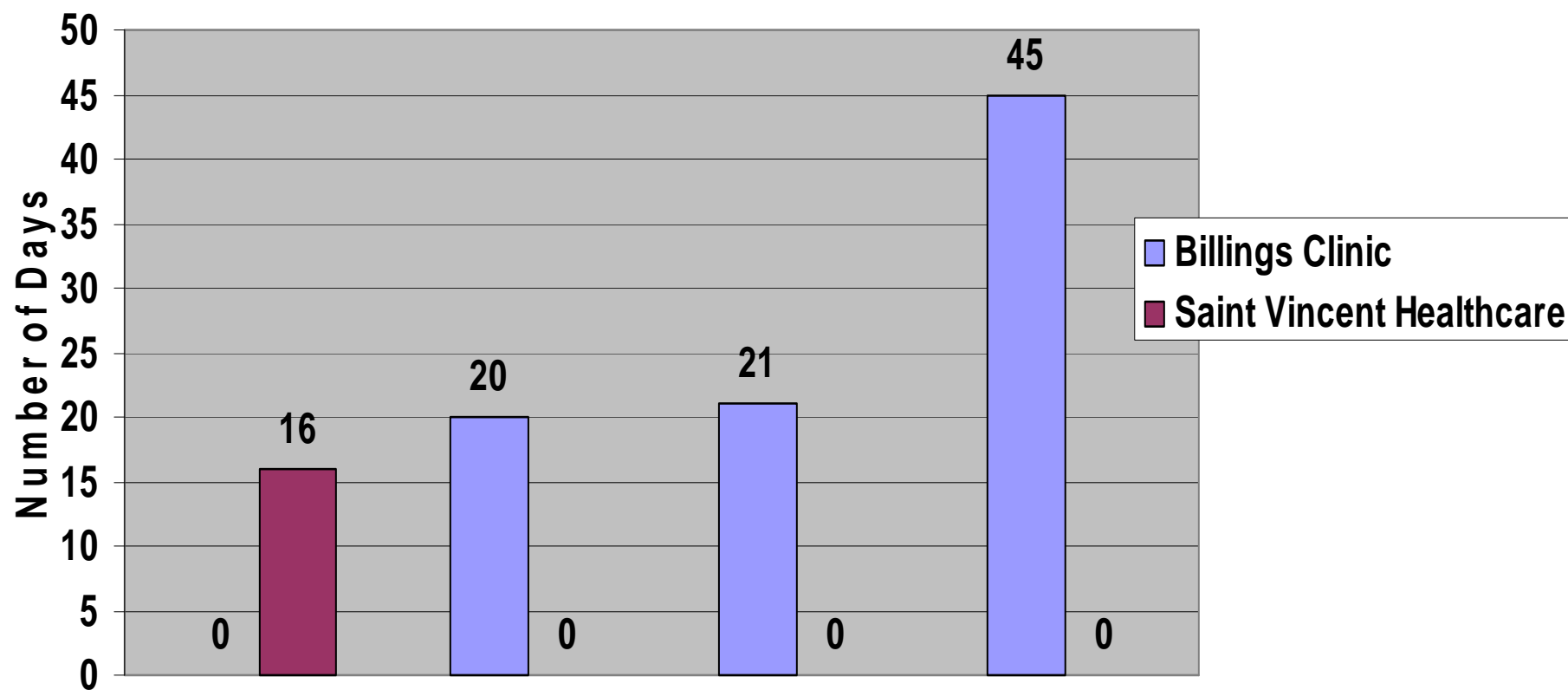
**Average Eastern RTAC ICU Days versus National Trauma Registry by Injury
Severity Score
For the Period of 01/06 thru 03/06**



17 Patients were hospitalized with ISS > 25

Hospital LOS >15 Days with ISS >25

n = 4 patients (24%)



Patients Discharged Out-of-State (for Eastern Region)

For the Period of 01/06 thru 03/06

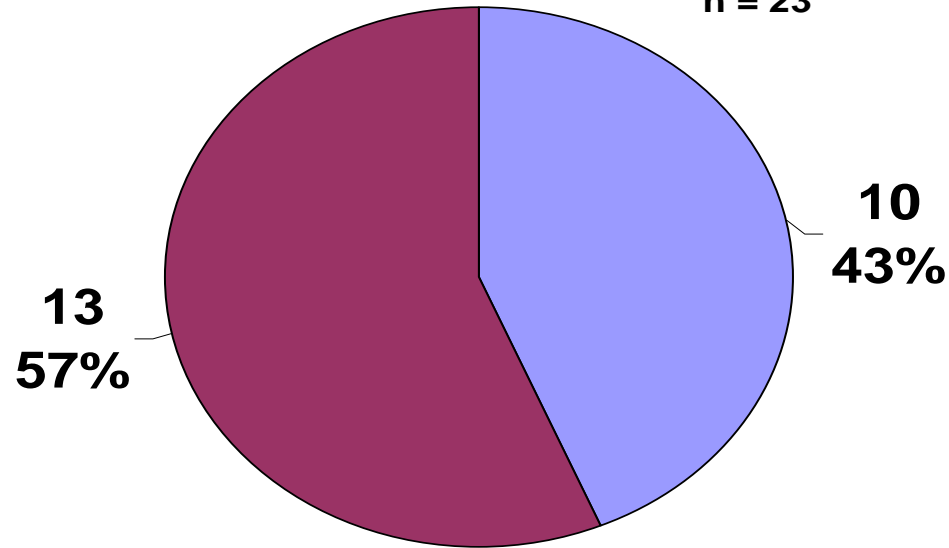
N = 4 – All Patients had Brain/Spine Injuries

	Eastern
To Acute Care from Hospital	2
To Rehab. from Hospital	1
To Nursing Home from Hospital (to home state)	1

3 went to home state, 1 pediatric to pediatric facility

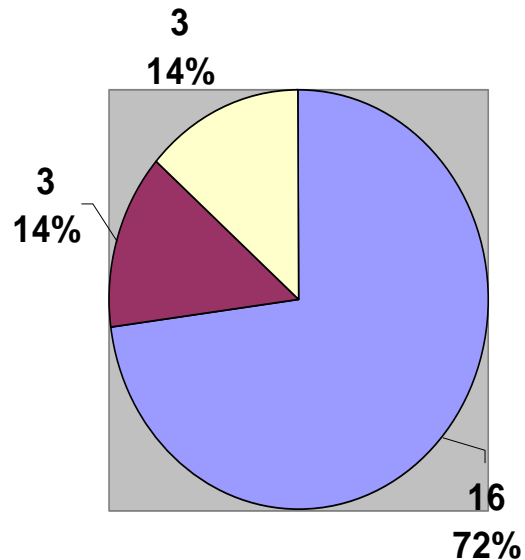
**Number of Patients Transferred Into Montana (for Eastern Region)
For the Period of 01/06 thru 03/06**

n = 23



Billings Clinic

Saint Vincent Healthcare



Brain/Spine

Chest/Pelvis

Multiple/Orthopedics

23 Patients from 10 Wyoming locations

**Emergency Dept. Disposition to Home by ISS
(for Eastern Region)
Jan. thru March 2006**

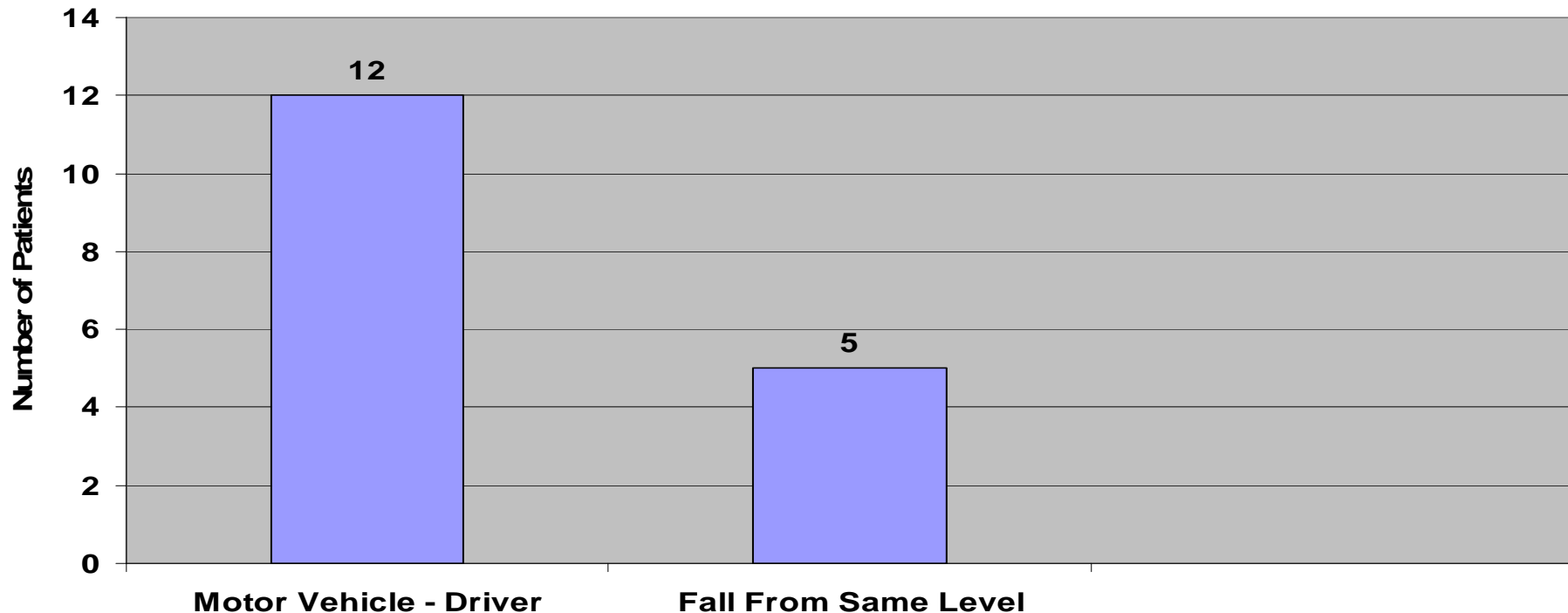
n = 10

ISS					
1-9	10-15	16-24	25+	Not Valued	Average ISS
8	0	0	0	2	3.8

Emergency Dept. LOS by ISS
(for Eastern Region)
for the Period of Jan. thru March 2006 n = 163

	ISS					
LOS/ Minutes	1-9	10-15	16-24	25+	Not Valued	Average ISS
< 120	29	7	16	9	1	12.9
120-239	33	10	13	7	1	11.1
>239	21	8	6	1	0	9.8
Not Valued	0	1	0	0	0	13.0

Patients Who were Admitted to OR from ED Top Injury Causes, Related Injuries, Protective Devices, Operative Procedures for ERTAC **01/06 thru 03/06 *n = 36**

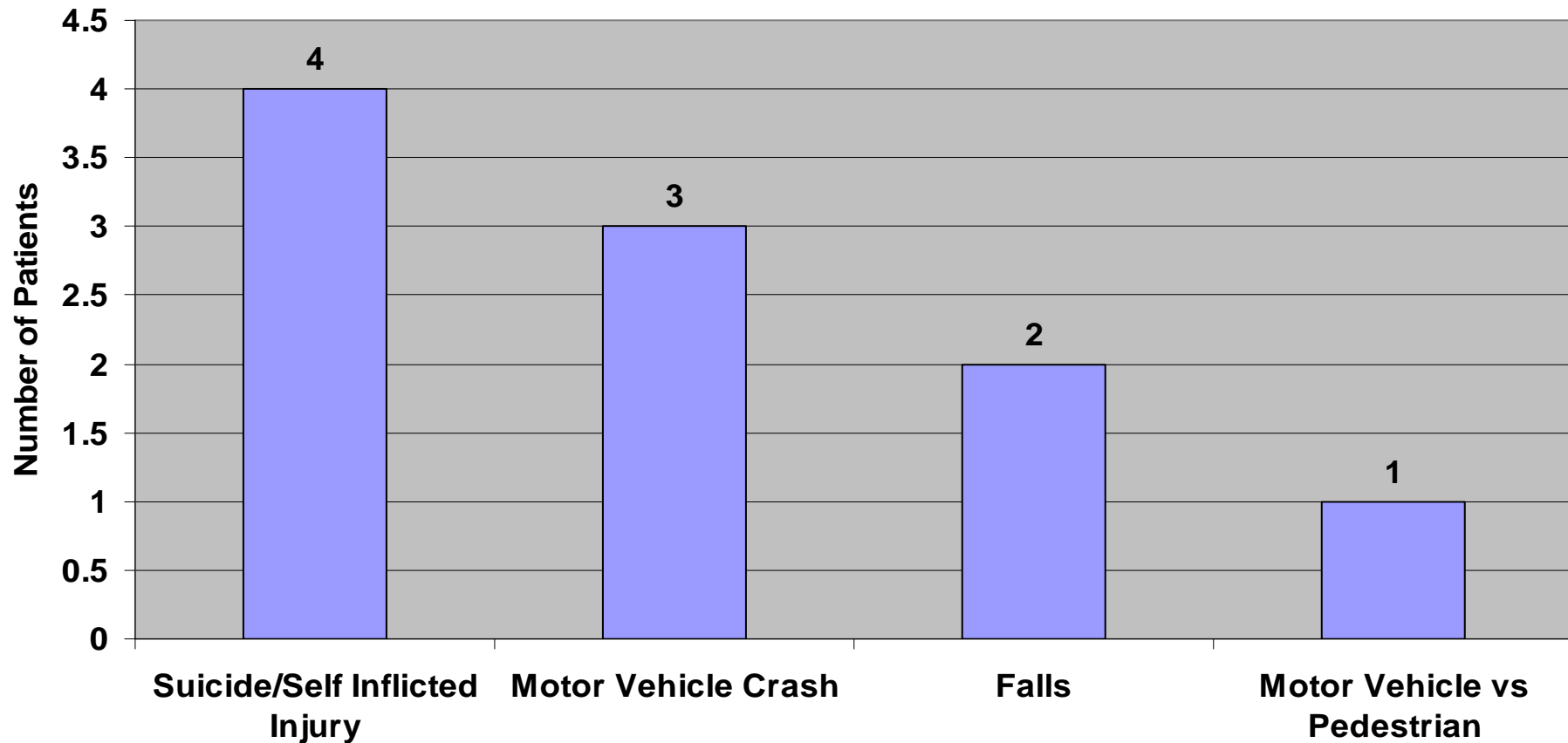


*** MVC/driver - 12, Fall from Same Level - 5,
MVC/passenger - 3, Falls from height - 3, MVC/ped - 2,
Horse – 2, Snowmobile – 2, Suicide – 2, Assault/Stab – 2,
Sports – 1, Struck by falling object – 1, Motorcycle -1**

Patients Who were Admitted to OR from ED from
MVC/Driver ERTAC 01/06 thru 03/06 n = 12

Injury Cause	Injuries Received	Operative Procedures	Protective Devices
MVC/Driver – 12 (33%)	Multiple plus orthopedics – 5 Brain/spine – 4 Misc. w/complex lac. – 2 Chest/abdomen – 1	ORIF/ortho – 5 Brain/spinal - 4 Suture/wound debridement – 2 Expl. Lap. - 1	7 (58%) patients used devices

**Patients Who Died Top Injury Causes, Related
Injuries, & Protective Devices for Eastern RTAC
01/06 thru 03/06 n = 10**



Patients Who Died

n = 10

Injury Cause	Injuries Received	Protective Devices Used
<u>Suicide/SI Injury</u> – 4 GSW – 3 Hanging – 1	Brain/spinal – 4	NA
<u>MVC</u> -3	Brain/spinal – 1 Brain/spinal/mult. – 2	Seatbelts – 2
<u>Falls</u> – 2	Brain/spinal – 2	NA
<u>MV vs Ped</u> – 1	Brain/spinal – 1	NA

Pts Transferred w/in Region: 4/10

ISS > 25: 9/10

Avg ISS: 26

Trauma Registry Inclusion Criteria

Changes: PRIMARY

- All patients (any diagnosis) that initiated FULL *or* PARTIAL Trauma Team Activation
- All patients transferred to another facility for evaluation/treatment not available at initial facility

Trauma Registry Inclusion Criteria

Changes: ADDITIONAL

Open long bone fractures to surgery on the same day

Trauma Registry Inclusion Criteria

Changes: EXCLUSION

- **Amputations distal to ankle/wrist NOT admitted for ≥ 48 hours**
- **Transfers from another facility not meeting inclusion criteria (isolated hip fx/fall from same height, etc.)**

Trauma Registry Inclusion Criteria

Changes: **EXCLUSION:**

- **Hypothermia and other cold injuries**
(with no associated trauma) Unless
Trauma Team Activation